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CLAIMS:

What is claimed is:

1. A method for determining time synchronization of a ^{to} timing device, the method comprising the steps of:
- 5 obtaining geographic position data from a device associated with the timing device;
- calculating a current local time for a location of the device associated with the timing device based on the geographic position data; and
- 10 synchronizing the timing device with the current local time.
2. The method as recited in claim 1, wherein the timing device includes at least one of a clock and a time piece associated with the device.
- 15 3. The method as recited in claim 1, wherein synchronizing the timing device with the current local time includes at least one of adjusting time on the timing device to correspond to the current local time for the location of the device and verifying time on the
- 20 timing device corresponding to the current local time for the location of the device.
4. The method as recited in claim 1, further comprising:
- comparing the calculated current local time for the
- 25 location of the device associated with the geographic position data with time on the timing device; and
- responsive to a difference between the calculated current local time and the time on the timing device,

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adjusting the time on the timing device to match the
calculated current local time for the location of the
device.

5. The method as recited in claim 1, further
5 comprising:
determining whether a time adjustment has occurred;
and
in response to the occurrence of the time
adjustment, adjusting the time on the timing device to
10 match the time adjustment.

6. The method as recited in claim 5, wherein the time
adjustment is a change in time zones.

7. The method as recited in claim 6, wherein the time
15 adjustment is a change in daylight savings time.

8. The method as recited in claim 7, further
comprising:
responsive to the start of daylight savings time,
adjusting the time on the timing device accordingly for
20 the location of the device associated with the geographic
position data.

9. The method as recited in claim 7, further
comprising:
responsive to the end of daylight savings time,
25 adjusting the time on the timing device accordingly for
the location of the device associated with the geographic
position data.

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10. The method as recited in claim 1, wherein obtaining geographic position data from the device includes obtaining geographic position data from a Global Positioning System (GPS).

5 11. The method as recited in claim 1, wherein the current local time includes an actual current local time and a user modified time.

12. The method as recited in claim 11, wherein the user modified time differs from the actual current local time.

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13. A method for receiving time synchronization of a timing device, the method comprising the steps of:

transmitting geographic position data from a device associated with the timing device;

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transmitting time on the timing device;

receiving the current local time for a location of the device associated with the timing device based on the geographic position data; and

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adjusting the time on the timing device to match the current local time for the location of the device associated with the geographic position data.

14. An apparatus, comprising:

a bus system;

a communications unit functionally connected to the

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bus system;

a storage unit functionally connected to the bus system;

a time synchronization unit functionally connected to the bus system; and

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5 a processing unit functionally connected to the bus
system, wherein the processing unit instructs the
communications unit to obtain geographic position data
from a device associated with a timing device, the
processing unit calculates a current local time for a
location of the device associated with the timing device
based on the geographic position data, and the processing
unit instructs the time synchronization unit to
synchronize the timing device with the current local
10 time.

15. An apparatus, comprising:
a bus system;
a communications unit functionally connected to the
bus system;
15 a time synchronization unit functionally connected
to the bus system; and
a processing unit functionally connected to the bus
system, wherein the processing unit instructs the
communications unit to transmit geographic position data
20 from a device associated with the timing device, the
processing unit instructs the communication unit to
transmit time on the timing device, the processing unit
receives, via the communications unit, current local time
for a location of the device associated with the timing
25 device based on the geographic position data, and the
processing unit instructs the time synchronization unit
to adjust the time on the timing device to match the
current local time for the location of the device
associated with the geographic position data.

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16. A system for determining time synchronization of a a timing device, comprising:

obtaining means for obtaining geographic position data from a device associated with the timing device;

5 calculating means for calculating a current local time for a location of the device associated with the timing device based on the geographic position data; and

synchronizing means for synchronizing the timing device with the current local time.

10 17. The system as recited in claim 16, further comprising:

comparing means for comparing the current local time for the location of the device associated with the geographic position data with time on the timing device;

15 and

adjusting means, responsive to a difference between the current local time and the time on the timing device, for adjusting the time on the timing device to match the current local time for the location of the device.

20 18. The system as recited in claim 16, further comprising:

determining means for determining whether a time adjustment has occurred; and

25 adjusting means, in response to the occurrence of the time adjustment, for adjusting the time on the timing device to match the time adjustment.

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19. A system for receiving time synchronization of a timing device, the method comprising the steps of:

transmitting means for transmitting geographic position data from a device associated with the timing device;

transmitting means for transmitting time on the timing device;

receiving means for receiving current local time for a location of the device associated with the timing

device based on the geographic position data,; and

adjusting means for adjusting the time on the timing device to match the current local time for the location of the device associated with the geographic position data.

20. A computer program product in a computer-readable medium for determining time synchronization of a a timing device, comprising:

instructions for obtaining geographic position data from a device associated with the timing device;

instructions for calculating a current local time for a location of the device associated with the timing device based on the geographic position data; and

instructions for synchronizing the timing device with the current local time.

21. The computer program product as recited in claim 20, further comprising:

instructions for comparing the current local time for the location of the device associated with the geographic position data with time on the timing device;

and

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instructions, responsive to a difference between the current local time and the time on the timing device, for adjusting the time on the timing device to match the current local time for the location of the device.

- 5 22. The computer program product as recited in claim 20, further comprising:

instructions for determining whether a time adjustment has occurred; and

- 10 instructions, in response to the occurrence of the time adjustment, for adjusting the time on the timing device to match the time adjustment.

23. A computer program product in a computer-readable medium for receiving time synchronization of a timing device, comprising:

- 15 instructions for transmitting geographic position data from a device associated with the timing device; instructions for transmitting time on the timing device;

- 20 instructions for receiving current local time for a location of the device associated with the timing device based on the geographic position data,; and

- instructions for adjusting the time on the timing device to match the current local time for the location of the device associated with the geographic position data.
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